

Table 17. Energy Consumption Estimates by Source, Selected Years 1960-1997, Alabama

Year	Coal ^a	Natural Gas ^b	Petroleum											Nuclear Electric Power	Hydro-electric Power ^d		Net Interstate Flow of Electricity/Losses ^g	
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kero-sene ^a	LPG ^a	Lubri-cants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,c}	Total					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh	Biomass ^e	Other ^{a,f}	Million kWh	Total ^h
1960	15,579	184	2,160	280	5,393	1,126	1,046	3,211	661	24,578	4,292	752	43,498	0	6,239	-	-19,803	-
1965	21,473	229	2,749	446	5,251	1,156	908	4,207	741	28,919	2,553	2,142	49,072	0	7,103	-	-32,017	-
1970	27,653	298	3,176	349	8,512	1,799	1,310	7,583	812	37,003	3,290	2,877	66,710	0	7,632	-	-21,654	-
1975	26,609	264	2,706	249	14,697	1,707	673	6,540	1,049	45,174	12,953	3,910	89,656	2,722	12,213	-	-28,518	-
1980	27,042	269	3,132	248	15,190	2,048	1,253	4,949	992	44,296	7,296	4,532	83,937	23,497	9,408	-	-68,842	-
1985	27,145	219	3,757	172	16,278	3,516	108	3,648	903	43,476	2,249	6,215	80,323	14,313	6,886	-	-51,090	-
1986	26,831	203	3,486	204	16,457	3,745	130	4,024	883	46,448	2,464	6,243	84,084	11,561	5,251	-	-35,739	-
1987	26,683	208	4,564	143	18,741	3,872	137	4,653	998	48,533	2,436	7,253	91,331	11,248	7,472	-	-27,763	-
1988	26,441	236	4,132	157	20,427	1,872	163	4,438	963	48,748	3,443	7,343	91,685	12,981	5,383	-	-16,101	-
1989	27,611	245	4,484	133	24,711	2,046	113	4,768	987	49,488	3,669	6,381	96,780	11,524	NA	-	R -42,635	-
1990	27,640	244	4,321	116	25,436	1,899	64	4,160	1,016	49,199	3,970	6,693	96,874	12,052	NA	-	R -35,826	-
1991	29,349	254	5,286	109	23,909	2,292	96	3,807	909	49,527	3,554	5,895	95,385	15,875	NA	-	R -58,052	-
1992	31,510	279	4,943	106	24,432	2,108	83	3,968	927	50,605	3,907	5,996	97,074	19,397	NA	-	R -74,760	-
1993	33,047	292	4,984	103	22,990	1,973	80	5,033	944	51,956	4,059	6,045	98,167	17,823	NA	-	-77,336	-
1994	31,473	289	5,059	110	25,410	3,472	72	5,132	986	53,226	3,432	6,313	103,212	20,480	NA	-	R -74,466	-
1995	34,309	322	4,994	97	23,087	3,843	121	5,115	969	55,472	3,158	6,017	102,873	20,752	NA	-	R -80,141	-
1996	37,052	326	5,704	93	23,107	3,508	121	4,972	941	54,999	3,207	6,556	103,207	29,708	NA	-	R -118,967	-
1997	36,434	322	5,467	103	21,383	2,183	127	5,022	994	55,694	2,595	7,024	100,591	29,573	NA	-	-110,333	-
Trillion Btu																		
1960	395.4	190.7	14.3	1.4	31.4	6.1	5.9	12.9	4.0	129.1	27.0	4.5	236.6	0.0	67.1	R 45.7	0.0	-67.6 R 868.0
1965	533.1	236.9	18.2	2.3	30.6	6.2	5.2	16.9	4.5	151.9	16.0	12.7	264.4	0.0	74.2	R 47.6	0.0	-109.2 R 1,047.2
1970	675.6	307.8	21.1	1.8	49.6	9.9	7.4	28.7	4.9	194.4	20.7	16.9	355.3	0.0	80.1	R 52.4	0.0	-73.9 R 1,397.2
1975	640.1	271.7	18.0	1.3	85.6	9.4	3.8	24.3	6.4	237.3	81.4	23.1	490.6	30.0	127.1	R 57.6	0.0	-97.3 R 1,519.7
1980	661.0	278.4	20.8	1.3	88.5	11.3	7.1	18.2	6.0	232.7	45.9	26.2	457.9	256.3	97.7	R 139.1	0.0	-234.9 R 1,655.6
1985	662.9	227.8	24.9	0.9	94.8	19.7	0.6	13.1	5.5	228.4	14.1	35.3	437.4	154.8	71.9	R 176.5	0.0	-174.3 R 1,557.0
1986	660.5	210.2	23.1	1.0	95.9	21.0	0.7	14.6	5.4	244.0	15.5	35.4	456.6	124.9	54.8	R 168.1	0.0	-121.9 R 1,553.2
1987	660.7	214.6	30.3	0.7	109.2	21.7	0.8	17.0	6.1	254.9	15.3	41.1	497.1	121.2	77.9	R 163.6	0.0	-94.7 R 1,640.4
1988	652.7	243.2	27.4	0.8	119.0	10.4	0.9	16.2	5.8	256.1	21.6	41.6	499.8	139.5	55.6	R 170.2	0.0	-54.9 R 1,706.0
1989	673.9	252.4	29.8	0.7	143.9	11.4	0.6	17.6	6.0	260.0	23.1	35.6	528.6	123.6	R 137.2	R 170.7	R 0.1	R 145.5 R 1,740.0
1990	678.3	251.0	28.7	0.6	148.2	10.6	0.4	15.1	6.2	258.4	25.0	37.2	530.2	128.7	107.8	R 145.5	0.1	-122.2 R 1,718.3
1991	719.8	260.7	35.1	0.6	139.3	12.6	0.5	13.8	5.5	260.2	22.3	33.0	522.9	170.5	R 112.3	R 151.4	0.1	R 198.1 R 1,738.7
1992	770.5	286.6	32.8	0.5	142.3	11.7	0.5	14.4	5.6	265.8	24.6	33.2	531.4	207.1	106.1	R 159.7	0.1	-255.1 R 1,805.4
1993	808.4	301.1	33.1	0.5	133.9	11.0	0.5	18.1	5.7	272.9	25.5	33.6	534.8	190.4	93.1	R 167.5	0.1	-263.9 R 1,830.4
1994	770.6	297.5	33.6	0.6	148.0	19.6	0.4	18.7	6.0	279.6	21.6	35.1	563.0	218.6	R 117.9	R 175.0	R 0.2	R 254.1 R 1,887.4
1995	826.5	330.9	33.1	0.5	134.5	21.8	0.7	18.5	5.9	291.4	19.9	33.4	559.6	221.2	R 98.0	R 182.6	R 0.2	-273.4 R 1,943.7
1996	887.5	336.3	37.9	0.5	134.6	19.9	0.7	18.0	5.7	288.9	20.2	36.3	562.5	315.6	R 114.5	R 188.7	R 0.2	-405.9 R 1,999.0
1997	858.8	335.5	36.3	0.5	124.6	12.4	0.7	18.2	6.0	292.6	16.3	39.0	546.6	314.2	121.2	177.8	0.2	-376.5 1,977.5

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

^e "Biomass" is wood, waste, and ethanol. Ethanol blended into motor gasoline is included in motor gasoline and total petroleum. It is also included in the biomass series to give complete biomass data, but it is counted only once in the energy total.

^f "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^g Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

^h From 1989, "Total" does not equal the sum of the columns. Ethanol (which is shown in the transportation sector table) is included in both motor gasoline and biomass data in this table but only once in the total. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total in this table but not in any other columns.

ⁱ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

kWh=kilowatthours. R=Revised data. -=Not applicable. NA=Not available.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 18. Residential Energy Consumption Estimates, Selected Years 1960-1997, Alabama

Year	Coal			Natural Gas ^b	Petroleum				Wood		Electricity ^a	Million Kilowatthours	Net Energy	Electrical System Energy Losses ^d		
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total								
	Thousand Short Tons				Billion Cubic Feet	Thousand Barrels				Thousand Cords	Geothermal	Solar ^c				
1960	96	0	96	41	36	163	2,101	2,300	R 1,084	-	-	4,129	-	10,271	-	
1965	35	0	35	48	24	169	2,672	2,865	R 765	-	-	6,150	-	14,684	-	
1970	44	0	44	56	36	236	4,920	5,192	R 515	-	-	11,527	-	27,935	-	
1975	7	0	7	52	74	134	3,916	4,124	R 530	-	-	13,409	-	32,345	-	
1980	80	0	80	52	13	198	2,589	2,800	R 521	-	-	16,469	-	40,047	-	
1985	43	0	43	44	34	73	2,088	2,194	R 1,302	-	-	17,182	-	40,368	-	
1986	45	0	45	45	39	64	2,389	2,491	R 1,267	-	-	18,259	-	42,001	-	
1987	46	1	47	49	30	60	2,834	2,924	R 1,075	-	-	19,294	-	44,086	-	
1988	52	(s)	52	49	42	129	2,774	2,945	R 1,117	-	-	19,641	-	44,404	-	
1989	24	1	25	48	34	81	3,037	3,152	R 1,158	-	-	19,842	-	R 44,582	-	
1990	37	0	37	45	25	38	2,688	2,752	R 757	-	-	20,719	-	R 45,317	-	
1991	6	(s)	6	46	18	61	2,312	2,391	797	-	-	21,293	-	R 46,353	-	
1992	31	(s)	31	50	11	30	2,213	2,254	839	-	-	21,137	-	R 45,148	-	
1993	14	(s)	14	51	14	43	2,861	2,919	R 633	-	-	22,628	-	47,808	-	
1994	4	(s)	4	50	13	29	2,798	2,840	R 621	-	-	23,159	-	R 48,326	-	
1995	3	0	3	50	9	66	2,849	2,924	R 689	-	-	24,314	-	R 50,653	-	
1996	15	0	15	57	9	64	2,922	2,995	R 688	-	-	25,634	-	R 53,350	-	
1997	25	(s)	25	48	29	57	2,922	3,008	500	-	-	24,893	-	51,697	-	
Trillion Btu																
1960	2.4	0.0	2.4	42.3	0.2	0.9	8.4	9.6	R 21.7	0.0	0.0	14.1	R 90.0	35.0	R 125.0	
1965	0.9	0.0	0.9	49.7	0.1	1.0	10.7	11.8	R 15.3	0.0	0.0	21.0	R 98.7	50.1	R 148.8	
1970	1.1	0.0	1.1	57.5	0.2	1.3	18.6	20.1	R 10.3	0.0	0.0	39.3	R 128.3	95.3	R 223.7	
1975	0.2	0.0	0.2	53.8	0.4	0.8	14.5	15.7	R 10.6	0.0	0.0	45.8	R 126.1	110.4	R 236.4	
1980	1.9	0.0	1.9	54.1	0.1	1.1	9.5	10.7	R 10.4	0.0	0.0	56.2	R 133.3	136.6	R 270.0	
1985	1.1	0.0	1.1	45.4	0.2	0.4	7.5	8.1	R 26.0	0.0	0.0	58.6	R 139.2	137.7	R 276.9	
1986	1.1	0.0	1.1	46.3	0.2	0.4	8.7	9.3	R 25.3	0.0	0.0	62.3	R 144.3	143.3	R 287.6	
1987	1.2	(s)	1.2	50.7	0.2	0.3	10.4	10.9	R 21.5	0.0	0.0	65.8	R 150.1	150.4	R 300.5	
1988	1.3	(s)	1.3	50.3	0.2	0.7	10.1	11.1	R 22.3	0.0	0.0	67.0	R 152.1	151.5	R 303.6	
1989	0.6	(s)	0.6	49.6	0.2	0.5	11.2	11.8	R 23.2	e (s)	R e 0.1	67.7	R e 153.0	152.1	R e 305.1	
1990	0.9	0.0	0.9	46.7	0.1	0.2	9.7	10.1	15.1	(s)	0.1	70.7	143.7	154.6	298.3	
1991	0.1	(s)	0.1	47.4	0.1	0.3	8.4	8.8	15.9	(s)	0.1	72.7	145.1	R 158.2	303.2	
1992	0.7	(s)	0.8	51.0	0.1	0.2	8.0	8.3	16.8	(s)	0.1	72.1	149.1	154.0	303.1	
1993	0.3	(s)	0.3	52.9	0.1	0.2	10.3	10.6	12.7	(s)	0.1	77.2	153.9	163.1	R 317.0	
1994	0.1	(s)	0.1	51.3	0.1	0.2	10.2	10.4	12.4	(s)	0.1	79.0	R 153.3	164.9	318.2	
1995	0.1	0.0	0.1	51.0	0.1	0.4	10.3	10.7	13.8	(s)	0.1	83.0	158.7	172.8	331.5	
1996	0.4	0.0	0.4	58.4	0.1	0.4	10.6	11.0	13.8	(s)	0.1	87.5	171.1	182.0	R 353.1	
1997	0.6	(s)	0.6	50.5	0.2	0.3	10.6	11.1	10.0	(s)	0.1	84.9	157.3	176.4	333.7	

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

-=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 19. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Alabama

Year	Coal			Natural Gas ^b	Petroleum						Wood	Electricity ^a	Electrical System Energy Losses ^c	Total ^d		
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels						Thousand Cords	Geothermal	Million Kilowatthours	Net Energy	Million Kilowatthours	Total ^d
1960	178	0	178	17	264	294	371	327	(s)	1,257	R 21	-	2,390	-	5,944	-
1965	64	0	64	32	175	306	472	327	(s)	1,280	R 14	-	3,443	-	8,221	-
1970	83	0	83	36	264	426	868	391	(s)	1,950	R 10	-	5,144	-	12,467	-
1975	13	0	13	33	547	242	691	453	1	1,934	R 10	-	6,493	-	15,662	-
1980	148	0	148	29	641	176	457	258	3	1,535	R 13	-	7,190	-	17,484	-
1985	80	0	80	26	1,290	16	368	251	514	2,439	NA	-	8,805	-	20,688	-
1986	84	0	84	25	971	29	422	253	558	2,231	NA	-	9,292	-	21,375	-
1987	85	(s)	86	22	1,149	49	500	260	383	2,341	NA	-	9,930	-	22,690	-
1988	96	(s)	96	26	1,125	13	489	243	707	2,577	NA	-	10,239	-	23,148	-
1989	45	(s)	46	26	1,228	14	536	223	501	2,503	NA	-	11,113	-	R 24,969	-
1990	68	0	68	24	1,088	11	474	258	614	2,445	NA	-	11,589	-	R 25,348	-
1991	11	(s)	11	24	982	15	408	160	244	1,809	NA	-	11,948	-	R 26,010	-
1992	57	(s)	58	25	1,030	17	391	138	0	1,576	NA	-	11,554	-	R 24,679	-
1993	26	(s)	26	26	918	13	505	41	0	1,477	R 51	-	11,906	-	25,156	-
1994	7	(s)	7	26	1,071	11	494	41	1	1,617	R 52	-	12,503	-	R 26,091	-
1995	5	0	5	26	532	10	503	42	3	1,089	R 52	-	12,845	-	R 26,761	-
1996	29	0	29	29	488	9	516	42	1	1,055	R 57	-	13,948	-	R 29,028	-
1997	47	(s)	47	32	383	9	516	41	0	949	49	-	17,043	-	35,395	-
Trillion Btu																
1960	4.4	0.0	4.4	18.1	1.5	1.7	1.5	1.7	(s)	6.4	R 0.4	0.0	8.2	R 37.5	20.3	R 57.8
1965	1.6	0.0	1.6	33.0	1.0	1.7	1.9	1.7	(s)	6.4	R 0.3	0.0	11.7	R 53.0	28.0	R 81.1
1970	2.0	0.0	2.0	37.4	1.5	2.4	3.3	2.1	(s)	9.3	R 0.2	0.0	17.6	R 66.4	42.5	R 108.9
1975	0.3	0.0	0.3	34.4	3.2	1.4	2.6	2.4	(s)	9.5	R 0.2	0.0	22.2	R 66.6	53.4	R 120.0
1980	3.6	0.0	3.6	29.5	3.7	1.0	1.7	1.4	(s)	7.8	R 0.3	0.0	24.5	R 65.6	59.7	R 125.3
1985	2.0	0.0	2.0	26.8	7.5	0.1	1.3	1.3	3.2	13.5	NA	0.0	30.0	72.3	70.6	142.9
1986	2.1	0.0	2.1	26.0	5.7	0.2	1.5	1.3	3.5	12.2	NA	0.0	31.7	72.0	72.9	144.9
1987	2.1	(s)	2.2	23.1	6.7	0.3	1.8	1.4	2.4	12.6	NA	0.0	33.9	71.7	77.4	149.1
1988	2.5	(s)	2.5	26.3	6.6	0.1	1.8	1.3	4.4	14.1	NA	0.0	34.9	77.8	79.0	156.8
1989	1.1	(s)	1.1	27.3	7.2	0.1	2.0	1.2	3.2	13.5	NA	0.0	37.9	79.8	85.2	165.0
1990	1.7	0.0	1.7	25.0	6.3	0.1	1.7	1.4	3.9	13.3	NA	0.0	39.5	79.5	86.5	166.0
1991	0.3	(s)	0.3	24.4	5.7	0.1	1.5	0.8	1.5	9.7	NA	0.0	40.8	75.0	88.7	163.8
1992	1.4	(s)	1.4	25.9	6.0	0.1	1.4	0.7	0.0	8.2	NA	0.0	39.4	75.0	84.2	159.2
1993	0.6	(s)	0.6	26.5	5.3	0.1	1.8	0.2	0.0	7.5	R 1.0	0.0	40.6	R 76.2	85.8	R 162.1
1994	0.2	(s)	0.2	26.3	6.2	0.1	1.8	0.2	(s)	8.3	R 1.0	0.0	42.7	R 78.5	89.0	R 167.5
1995	0.1	0.0	0.1	27.0	3.1	0.1	1.8	0.2	(s)	5.2	R 1.0	0.0	43.8	R 77.2	91.3	R 168.5
1996	0.7	0.0	0.7	30.0	2.8	0.1	1.9	0.2	(s)	5.0	R 1.1	0.0	47.6	R 84.4	99.0	R 183.4
1997	1.2	(s)	1.2	33.7	2.2	0.1	1.9	0.2	0.0	4.4	1.0	0.0	58.2	98.3	120.8	219.1

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^d Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

R=Revised data.

-=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 20. Industrial Energy Consumption Estimates, Selected Years 1960-1997, Alabama

Year	Coal	Natural Gas ^a	Petroleum										Hydro-electric Power ^b	Wood and Waste	Electricity ^b	Electrical System Energy Losses ^e	Total	
			Asphalt and Road Oil ^b	Distillate Fuel ^b	Kerosene ^b	LPG ^b	Lubri-cants ^b	Motor Gasoline	Residual Fuel ^b	Other ^{b,c}	Total	Million kWh	Million kWh	Net Energy	Million kWh			
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels										Other ^{b,d}	NA	NA	NA		
1960	7,904	109	2,160	2,511	589	708	265	382	2,014	752	9,380	26	—	8,966	—	22,301		
1965	8,774	132	2,749	1,962	434	1,020	311	372	945	2,142	9,935	25	—	13,636	—	32,559		
1970	11,177	171	3,176	2,833	648	1,696	391	204	1,611	2,428	12,987	25	—	18,041	—	43,720		
1975	9,288	156	2,706	4,475	297	1,846	440	198	5,814	3,910	19,686	25	—	20,473	—	49,384		
1980	7,221	171	3,132	3,356	879	1,857	506	104	3,787	4,532	18,154	24	—	26,708	—	64,945		
1985	5,476	138	3,757	3,671	19	1,031	461	507	96	6,215	15,758	24	—	24,179	—	56,806		
1986	5,265	122	3,486	4,088	37	1,068	451	432	556	6,243	16,360	24	—	24,046	—	55,312		
1987	5,804	123	4,564	4,467	28	1,218	509	439	564	7,253	19,044	24	—	25,478	—	58,216		
1988	6,291	147	4,132	4,390	21	1,084	491	384	699	7,343	18,545	24	—	26,758	—	60,493		
1989	5,656	155	4,484	5,178	17	1,107	504	497	345	6,381	18,512	f NA	—	27,232	—	R 61,186		
1990	5,525	156	4,321	6,740	15	901	519	443	451	6,693	20,083	NA	—	27,618	—	R 60,406		
1991	5,633	163	5,286	5,423	21	994	464	408	85	5,895	18,575	NA	—	27,985	—	R 60,921		
1992	6,433	182	4,943	5,396	35	1,279	473	435	371	5,996	18,928	NA	—	29,476	—	R 62,961		
1993	5,474	195	4,984	4,587	23	1,551	482	583	775	6,045	19,029	NA	—	30,524	—	64,490		
1994	5,646	195	5,059	5,115	32	1,646	503	634	1,080	6,313	20,382	NA	—	31,919	—	R 66,606		
1995	5,543	218	4,994	3,635	45	1,670	495	674	512	6,017	18,041	NA	—	32,847	—	R 68,431		
1996	5,792	215	5,704	4,465	48	1,451	480	678	717	6,556	20,099	NA	—	33,523	—	R 69,768		
1997	5,521	211	5,467	3,145	61	1,509	507	719	612	7,024	19,044	NA	—	32,617	—	67,738		
Trillion Btu																		
1960	209.9	112.8	14.3	14.6	3.3	2.8	1.6	2.0	12.7	4.5	55.9	0.3	R 23.6	0.0	30.6	R 433.0	76.1	R 509.1
1965	232.0	136.0	18.2	11.4	2.5	4.1	1.9	2.0	5.9	12.7	58.7	0.3	R 32.1	0.0	46.5	R 505.5	111.1	R 616.6
1970	291.4	176.5	21.1	16.5	3.7	6.4	2.4	1.1	10.1	14.2	75.4	0.3	R 41.9	0.0	61.6	R 647.0	149.2	R 796.1
1975	238.8	160.0	18.0	26.1	1.7	6.9	2.7	1.0	36.6	23.1	115.9	0.3	R 46.8	0.0	69.9	R 631.7	168.5	R 800.2
1980	187.0	176.3	20.8	19.6	5.0	6.8	3.1	0.5	23.8	26.2	105.8	0.2	R 128.5	0.0	91.1	R 688.9	221.6	R 910.5
1985	140.4	143.0	24.9	21.4	0.1	3.7	2.8	2.7	0.6	35.3	91.5	0.2	R 150.5	0.0	82.5	R 608.1	193.8	R 801.9
1986	135.4	126.6	23.1	23.8	0.2	3.9	2.7	2.3	3.5	35.4	94.9	0.2	R 142.7	0.0	82.0	R 581.9	188.7	R 770.6
1987	150.2	127.1	30.3	26.0	0.2	4.5	3.1	2.3	3.5	41.1	111.0	0.2	R 142.1	0.0	86.9	R 617.6	198.6	R 816.2
1988	162.3	151.4	27.4	25.6	0.1	4.0	3.0	2.0	4.4	41.6	108.0	0.2	R 147.8	0.0	91.3	R 661.2	206.4	R 867.6
1989	145.9	159.9	29.8	30.2	0.1	4.1	3.1	2.6	2.2	35.6	107.5	f 0.0	R 146.5	f 0.0	92.9	R 652.8	R 208.8	R 861.5
1990	143.3	160.0	28.7	39.3	0.1	3.3	3.1	2.3	2.8	37.2	116.8	0.0	R 129.2	0.0	94.2	R 643.6	206.1	R 849.7
1991	145.5	167.9	35.1	31.6	0.1	3.6	2.8	2.1	0.5	33.0	108.9	0.0	R 134.5	0.0	95.5	R 652.3	R 207.9	R 860.1
1992	165.6	187.0	32.8	31.4	0.2	4.6	2.9	2.3	3.3	33.2	109.8	0.0	R 141.8	0.0	100.6	R 704.8	214.8	R 919.6
1993	141.6	201.0	33.1	26.7	0.1	5.6	2.9	3.1	4.9	33.6	110.0	0.0	R 152.6	0.0	104.1	R 709.2	220.0	R 929.3
1994	146.2	200.7	33.6	29.8	0.2	6.0	3.1	3.3	6.8	35.1	117.8	0.0	R 160.2	0.0	108.9	R 733.8	R 227.3	R 961.1
1995	144.1	224.7	33.1	21.2	0.3	6.1	3.0	3.5	3.2	33.4	103.8	0.0	R 166.0	0.0	112.1	R 750.6	233.5	R 984.1
1996	150.1	221.9	37.9	26.0	0.3	5.2	2.9	3.6	4.5	36.3	116.7	0.0	R 173.5	0.0	114.4	R 776.5	R 238.0	R 1,014.5
1997	142.5	219.4	36.3	18.3	0.3	5.5	3.1	3.8	3.8	39.0	110.1	2.4	166.5	0.0	111.3	752.4	231.1	983.5

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."^d "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

kWh=kilowatthours. —=Not applicable. NA=Not available.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 21. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Alabama

Year	Coal ^a	Natural Gas ^b	Petroleum								Ethanol ^c	Electricity ^a	Electrical System Energy Losses ^d		
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Gallons	Million Kilowatthours	Net Energy	Million Kilowatthours	Total ^c
1960	137	8	280	2,582	1,126	31	396	23,869	2,278	30,562	0	0	-	0	-
1965	29	12	446	3,090	1,156	43	430	28,220	1,608	34,993	0	0	-	0	-
1970	18	20	349	5,353	1,799	98	421	36,408	1,679	46,107	0	0	-	0	-
1975	2	17	249	9,087	1,707	87	609	44,523	7,039	63,300	0	0	-	0	-
1980	0	16	248	11,049	2,048	46	486	43,934	3,506	61,318	0	0	-	0	-
1985	0	11	172	11,195	3,516	161	442	42,718	1,640	59,844	0	0	-	0	-
1986	0	10	204	11,293	3,745	146	432	45,763	1,351	62,935	0	0	-	0	-
1987	0	12	143	13,036	3,872	100	489	47,835	1,489	66,965	0	0	-	0	-
1988	0	12	157	14,697	1,872	90	471	48,120	2,036	67,443	0	0	-	0	-
1989	0	14	133	18,055	2,046	89	483	48,768	2,823	72,397	R e 13,365	0	-	0	-
1990	0	15	116	17,450	1,899	96	497	48,498	2,905	71,462	15,436	0	-	0	-
1991	0	16	109	17,323	2,292	94	445	48,959	3,225	72,448	12,236	0	-	0	-
1992	0	19	106	17,854	2,108	85	454	50,031	3,536	74,174	14,871	0	-	0	-
1993	0	16	103	17,341	1,973	117	462	51,332	3,283	74,612	16,596	0	-	0	-
1994	0	15	110	18,992	3,472	193	483	52,551	2,352	78,152	17,676	0	-	0	-
1995	0	20	97	18,730	3,843	93	475	54,756	2,644	80,638	23,911	(s)	-	(s)	-
1996	0	19	93	17,845	3,508	82	461	54,279	2,490	78,759	4,149	(s)	-	(s)	-
1997	0	21	103	17,597	2,183	75	487	54,934	1,982	77,361	4,238	0	-	0	-
Trillion Btu															
1960	3.4	7.9	1.4	15.0	6.1	0.1	2.4	125.4	14.3	164.7	0.0	0.0	176.0	0.0	176.0
1965	0.7	12.4	2.3	18.0	6.2	0.2	2.6	148.2	10.1	187.6	0.0	0.0	200.7	0.0	200.7
1970	0.4	20.5	1.8	31.2	9.9	0.4	2.6	191.3	10.6	247.6	0.0	0.0	268.5	0.0	268.5
1975	(s)	17.3	1.3	52.9	9.4	0.3	3.7	233.9	44.3	345.8	0.0	0.0	363.1	0.0	363.1
1980	0.0	17.0	1.3	64.4	11.3	0.2	2.9	230.8	22.0	332.9	0.0	0.0	349.9	0.0	349.9
1985	0.0	11.5	0.9	65.2	19.7	0.6	2.7	224.4	10.3	323.7	0.0	0.0	335.2	0.0	335.2
1986	0.0	10.2	1.0	65.8	21.0	0.5	2.6	240.4	8.5	339.9	0.0	0.0	350.0	0.0	350.0
1987	0.0	12.2	0.7	75.9	21.7	0.4	3.0	251.3	9.4	362.3	0.0	0.0	374.5	0.0	374.5
1988	0.0	12.5	0.8	85.6	10.4	0.3	2.9	252.8	12.8	365.5	R e 0.0	0.0	378.0	0.0	378.0
1989	0.0	13.9	0.7	105.2	11.4	0.3	2.9	256.2	17.8	394.4	R e 1.0	0.0	e 408.3	0.0	e 408.3
1990	0.0	15.1	0.6	101.6	10.6	0.3	3.0	254.8	18.3	389.2	1.2	0.0	404.2	0.0	404.2
1991	0.0	16.9	0.6	100.9	12.6	0.3	2.7	257.2	20.3	394.6	0.9	0.0	411.5	0.0	411.5
1992	0.0	19.2	0.5	104.0	11.7	0.3	2.8	262.8	22.2	404.3	1.1	0.0	423.5	0.0	423.5
1993	0.0	16.0	0.5	101.0	11.0	0.4	2.8	269.6	20.6	406.0	1.3	0.0	422.1	0.0	422.1
1994	0.0	15.4	0.6	110.6	19.6	0.7	2.9	276.0	14.8	425.3	1.4	0.0	440.6	0.0	440.6
1995	0.0	20.7	0.5	109.1	21.8	0.3	2.9	287.6	16.6	438.8	1.8	(s)	459.5	(s)	459.5
1996	0.0	19.8	0.5	103.9	19.9	0.3	2.8	285.1	15.7	428.2	0.3	(s)	448.0	(s)	448.0
1997	0.0	21.5	0.5	102.5	12.4	0.3	3.0	288.6	12.5	419.6	0.3	0.0	441.2	0.0	441.2

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

-=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 22. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Alabama

Year	Coal			Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g	
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total							
	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels				Million Kilowatthours						
1960	7,264	0	7,264	9	0	(s)	0	(s)	0	6,213	0	0	0	0	-
1965	12,572	0	12,572	6	0	0	0	0	0	7,078	0	0	0	0	-
1970	16,331	0	16,331	15	0	26	448	474	0	7,607	0	0	0	0	-
1975	17,301	0	17,301	6	99	514	0	613	2,722	12,188	0	0	0	0	-
1980	19,593	0	19,593	1	0	131	0	131	23,497	9,385	0	0	0	0	-
1985	21,545	0	21,545	1	0	88	0	88	14,313	6,862	0	0	0	0	-
1986	21,436	0	21,436	1	0	67	0	67	11,561	5,227	0	0	0	0	-
1987	20,746	0	20,746	1	0	58	0	58	11,248	7,449	0	0	0	0	-
1988	20,002	0	20,002	3	0	174	0	174	12,981	5,359	0	0	0	0	-
1989	21,884	0	21,884	2	0	216	0	216	11,524	13,153	0	0	0	0	-
1990	22,010	0	22,010	4	0	133	0	133	12,052	10,367	0	0	0	0	-
1991	23,700	0	23,700	4	0	163	0	163	15,875	10,758	0	0	0	0	-
1992	24,988	0	24,988	3	0	141	0	141	19,397	10,260	0	0	0	0	-
1993	27,533	0	27,533	5	0	130	0	130	17,823	9,034	0	0	0	0	-
1994	25,817	0	25,817	4	0	220	0	220	20,480	11,429	0	0	0	0	-
1995	28,759	0	28,759	7	0	181	0	181	20,752	9,502	0	0	0	0	-
1996	31,216	0	31,216	6	0	299	0	299	29,708	11,082	0	0	0	0	-
1997	30,841	0	30,841	10	0	230	0	230	29,573	11,521	0	0	0	0	-
Trillion Btu															
1960	175.3	0.0	175.3	9.7	0.0	(s)	0.0	(s)	0.0	66.9	0.0	0.0	0.0	251.8	
1965	298.0	0.0	298.0	5.8	0.0	0.0	0.0	0.0	0.0	74.0	0.0	0.0	0.0	377.7	
1970	380.7	0.0	380.7	15.9	0.0	0.2	2.7	2.9	0.0	79.8	0.0	0.0	0.0	479.3	
1975	400.7	0.0	400.7	6.2	0.6	3.0	0.0	3.6	30.0	126.8	0.0	0.0	0.0	567.4	
1980	468.5	0.0	468.5	1.6	0.0	0.8	0.0	0.8	256.3	97.5	0.0	0.0	0.0	824.6	
1985	519.5	0.0	519.5	1.2	0.0	0.5	0.0	0.5	154.8	71.7	0.0	0.0	0.0	747.6	
1986	522.0	0.0	522.0	1.2	0.0	0.4	0.0	0.4	124.9	54.6	0.0	0.0	0.0	703.0	
1987	507.1	0.0	507.1	1.6	0.0	0.3	0.0	0.3	121.2	77.6	0.0	0.0	0.0	707.8	
1988	486.6	0.0	486.6	2.7	0.0	1.0	0.0	1.0	139.5	55.3	0.0	0.0	0.0	685.1	
1989	526.2	0.0	526.2	1.8	0.0	1.3	0.0	1.3	123.6	137.2	0.0	0.0	0.0	790.1	
1990	532.4	0.0	532.4	4.2	0.0	0.8	0.0	0.8	128.7	107.8	0.0	0.0	0.0	773.9	
1991	573.9	0.0	573.9	4.2	0.0	0.9	0.0	0.9	170.5	R 112.3	0.0	0.0	0.0	R 861.7	
1992	602.8	0.0	602.8	3.4	0.0	0.8	0.0	0.8	207.1	106.1	0.0	0.0	0.0	R 920.3	
1993	665.9	0.0	665.9	4.7	0.0	0.8	0.0	0.8	190.4	93.1	0.0	0.0	0.0	954.8	
1994	624.1	0.0	624.1	3.9	0.0	1.3	0.0	1.3	218.6	R 117.9	0.0	0.0	0.0	965.8	
1995	682.2	0.0	682.2	7.5	0.0	1.1	0.0	1.1	221.2	R 98.0	0.0	0.0	0.0	1,009.9	
1996	736.3	0.0	736.3	6.3	0.0	1.7	0.0	1.7	315.6	R 114.5	0.0	0.0	0.0	1,174.5	
1997	714.5	0.0	714.5	10.3	0.0	1.3	0.0	1.3	314.2	118.8	0.0	0.0	0.0	1,159.1	

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.^e If applicable, through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of imports of electricity that is derived from hydroelectric power.^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.^g If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.